

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (canceled)
2. (currently amended) ~~A composition in accordance with claim 1~~ The cured sealant of claim 13 wherein component (b) comprises one or more alkenyl alkyl dialkoxysilanes, alkenylalkyldioximosilanes, alkenylalkyldiacetoxysilanes, and/or alkenylalkyldihydroxysilanes.
3. (currently amended) ~~The cured sealant of claim 13 A composition in accordance with claim 1~~ wherein component (b) is selected from the group vinyl methyl dimethoxysilane, vinyl ethyldimethoxysilane, vinyl methyldiethoxysilane, vinyl ethyldiethoxysilane, vinyl methyl dioximosilane, vinyl ethyldioximosilane, vinyl methyldioximosilane, vinyl ethyldioximosilane, vinyl methyl diacetoxysilane, vinyl ethyldiacetoxysilane, vinyl methyldiacetoxysilane, vinyl ethyldiacetoxysilane, vinyl methyl dihydroxysilane, vinyl ethyldihydroxysilane, vinyl methyldihydroxysilane and vinyl ethyldihydroxysilane.
4. (currently amended) ~~The cured sealant of claim 13 A composition in accordance with claim 1~~ wherein component (c) comprises one or more of fumed silica, calcined silica, precipitated silica, titania, zinc oxide, clay, mica, ground calcium carbonate, precipitated calcium carbonate, magnesium carbonate, quartz, diatomaceous earth, barium sulphate, and calcium sulphate.
5. (currently amended) ~~The cured sealant of A composition in accordance with claim 4~~ wherein component (c) comprises a fatty acid treated precipitated calcium carbonate.
6. (currently amended) ~~The cured sealant of claim 13 A composition in accordance with claim 1~~ wherein the photocatalyst (component (d)) is a titanate.
7. (currently amended) ~~The cured sealant of A composition in accordance with claim 6~~ wherein the titanate has the general formula $Ti[OR^5]_4$ where each R^5 may be the same or different and represents a monovalent, primary, secondary or tertiary aliphatic hydrocarbon group which may be linear or branched containing from 1 to 10 carbon atoms.

8. (currently amended) ~~The cured sealant of A composition in accordance with claim 7~~ wherein R⁵ may be selected from the group of methyl, ethyl, propyl, isopropyl, butyl, tertiary butyl and 2,4-dimethyl-3-pentyl.

9. (currently amended) ~~The cured sealant of claim 13 A composition in accordance with claim 1~~ wherein component (a) is a linear or substantially linear polydiorganosiloxane having terminal groups selected from -Si(R²)₂OH, and -Si(R²)₂-(D)_d-R³-SiR²_k(OR⁴)_{3-k} ;
 where D is -R³-(Si(R²)₂-O)_r-Si(R²)₂- , R² is selected from an alkyl group having from 1 to 6 carbon atoms, a vinyl group, a phenyl group and a fluorinated alkyl group, R³ is a divalent hydrocarbon group r is a whole number between 1 and 6 and d is 0 or a whole number, R⁴ is an alkyl or oxyalkyl group in which the alkyl groups have up to 6 carbon atoms and k has the value 0, 1 or 2.

10. (currently amended) ~~The cured sealant of claim 13 A composition in accordance with claim 1~~ wherein ~~component (e) is present in the composition and component (e) comprises an~~ unsaturated organopolysiloxane having a degree of polymerization from 2 to 50 and at least two silicon bonded functional groups, which are reactable with the hydroxy or hydrolysable groups of component (a).

11. (currently amended) ~~A composition in accordance with claim 1 comprising~~The cured sealant of claim 13, where the composition comprises:
 100 parts by weight of component (a)
 from 2 to 22 parts by weight of component (b),
 from 40 to 180 parts by weight of component (c), and
 from 0.3 to 6 parts by weight of component (d).

12. (currently amended) An elastomeric product comprising the moisture cured composition in accordance with claim 18.

13. (currently amended) A cured sealant consisting of ~~an~~the elastomeric product comprising a moisture cured composition, where the composition comprises
- a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;
 - b) a silane substantially having the formula $G_2-Si-R^1_2$, wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R^1 independently represents an alkyl group having from 1 to 10 carbon atoms, an alkenyl group, an alkynyl group an aryl group, or a fluorinated alkyl group;
 - c) one or more fillers; and
 - d) a photocatalyst;
- wherein, when no R^1 group is either an alkenyl or alkynyl group there is provided:-
- e) an unsaturated compound selected from the group of an unsaturated short chain siloxane, an unsaturated cyclic siloxane, an unsaturated fatty acid, an unsaturated fatty alcohol and an unsaturated fatty acid ester;

~~wherein the cured sealant has in accordance with claim 12 having an air-sealant interface surface with a maximum gloss value of 45.~~

14. (canceled)

15. (currently amended) A method of forming an elastomeric mass between surfaces which is adherent to at least two such surfaces which method comprises:
- 1) introducing between the surfaces a mass of a moisture curable composition comprising
~~in accordance with claim 1-~~
 - a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;
 - b) a silane substantially having the formula $G_2-Si-R^1_2$, wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R^1 independently represents an alkyl group having from 1 to 10 carbon atoms, an alkenyl group, an alkynyl group an aryl group, or a fluorinated alkyl group;

c) one or more fillers and

d) a photocatalyst;

wherein, when no R¹ group is either an alkenyl or alkynyl group there is provided:-

e) an unsaturated compound selected from the group of an unsaturated short chain siloxane, an unsaturated cyclic siloxane, an unsaturated fatty acid, an unsaturated fatty alcohol and an unsaturated fatty acid ester; and

2) curing the composition in the presence of moisture and light to form the elastomeric mass, wherein the elastomeric mass has a maximum gloss value of 45.

16. (currently amended) ~~A composition in accordance with claim 1~~ The cured sealant of claim 13,
where component (b) contains from 0.2 – 7 parts by weight alkenyl content.

17. (canceled)

18. (currently amended) A moisture curable composition capable of cure to an elastomeric body,
the composition ~~consisting essentially of~~ comprising:

a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;

b) a silane substantially having the formula $G_2 - Si - R^1_2$, wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R¹ independently represents an alkyl group having from 1 to 10 carbon atoms or a fluorinated alkyl group;

c) one or more fillers;

d) a photocatalyst consisting of a dialkoxy-functional chelated titanate-
photocatalyst; and

e) an unsaturated compound selected from the group of an unsaturated short chain siloxane, an unsaturated cyclic siloxane, an unsaturated fatty acid, an unsaturated fatty alcohol and an unsaturated fatty acid ester.

19. (new) The composition of claim 18 wherein component (a) is a linear or substantially linear polydiorganosiloxane having terminal groups selected from

$-\text{Si}(\text{R}^2)_2\text{OH}$, and $-\text{Si}(\text{R}^2)_2-(\text{D})_d-\text{R}^3-\text{SiR}^2_k(\text{OR}^4)_{3-k}$;

where D is $-\text{R}^3-(\text{Si}(\text{R}^2)_2-\text{O})_r-\text{Si}(\text{R}^2)_2-$, R^2 is selected from an alkyl group having from 1 to 6 carbon atoms, a vinyl group, a phenyl group and a fluorinated alkyl group, R^3 is a divalent hydrocarbon group r is a whole number between 1 and 6 and d is 0 or a whole number, R^4 is an alkyl or oxyalkyl group in which the alkyl groups have up to 6 carbon atoms and k has the value 0, 1 or 2.

20. (new) The composition of claim 18 wherein component (c) comprises one or more of fumed silica, calcined silica, precipitated silica, titania, zinc oxide, clay, mica, ground calcium carbonate, precipitated calcium carbonate, magnesium carbonate, quartz, diatomaceous earth, barium sulphate, and calcium sulphate.
21. (new) The composition of claim 18 wherein component (c) comprises a fatty acid treated precipitated calcium carbonate.
22. (new) The composition of claim 18 wherein component (e) comprises an unsaturated organopolysiloxane having a degree of polymerization from 2 to 50 and at least two silicon bonded functional groups, which are reactable with the hydroxy or hydrolysable groups of component (a).
23. (new) The composition of claim 18, wherein the composition comprises:
100 parts by weight of component (a)
from 2 to 22 parts by weight of component (b),
from 40 to 180 parts by weight of component (c), and
from 0.3 to 6 parts by weight of component (d).